

Component - Plastics

E45329

SABIC INNOVATIVE PLASTICS B V

EUROPE - RESIN, PLASTICSLAAN 1, BERGEN OP ZOOM Noord-Brabant 4612 PX NL

101(f2), 101R(f2), 121(f2), 121R(f2), 141(f2), 141R(f2)

Polycarbonate (PC) "Lexan", furnished as pellets

Color	Min. Thk (mm)	Flame Class	HWI	HAI	RTI Elec (°C)	RTI Imp (°C)	RTI Str (°C)
ALL	0.7	HB	-	-	115	115	115
	1.1	HB	3	2	115	115	115
	1.5	HB	3	0	130	125	125
	3.0	HB	2	1	130	130	130
Comparative Tracking Index (CTI): 2					Inclined Plane Tracking (IPT) kV: -		
Dielectric Strength (kV/mm): 25					Volume Resistivity (10 ^x ohm-cm): 15		
High-Voltage Arc Tracking Rate (HVTR): 2					Surface Resistivity (10 ^x ohms/square): -		
Dimensional Change (%): 0					High Volt, Low Current Arc Resis (D495): 6		

(f2) - Subjected to one or more of the following tests: Ultraviolet Light, Water Exposure or Immersion in accordance with UL 746C, where the acceptability for outdoor use is to be determined by UL.

NOTE Material designation may be followed by a color nomenclature consisting of either an alpha/numeric or a numeric/alpha combination.

ANSI/UL 94 small-scale test data does not pertain to building materials, furnishings and related contents. ANSI/UL 94 small-scale test data is intended solely for determining the flammability of plastic materials used in the components and parts of end-product devices and appliances, where the acceptability of the combination is determined by UL.

Report Date: 1977-11-21
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All dimensions in mm/inch

The permissible deviations according to DIN 16901 apply as tolerances

Warranties:
refer to Terms and Conditions of Sale

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IEC and ISO Test Methods				
Test Name	Test Method	Units	Thk (mm)	Value
Flammability	IEC 60695-11-10	Class (color)	0.7	HB, HB75 (ALL)
			1.1	HB, HB75 (ALL)
			1.5	HB, HB75 (ALL)
			3.0	HB, HB40 (ALL)
Glow-Wire Flammability (GWFI)	IEC 60695-2-12	°C	-	-
Glow-Wire Ignition (GWIT)	IEC 60695-2-13	°C	-	-
IEC Comparative Tracking Index	IEC 60112	Volts (Max)	-	-
IEC Ball Pressure	IEC 60695-10-2	°C	-	-
ISO Heat Deflection (1.80 MPa)	ISO 75-2	°C	-	-
ISO Tensile Strength	ISO 527-2	MPa	-	-
ISO Flexural Strength	ISO 178	MPa	-	-
ISO Tensile Impact	ISO 8256	kJ/m ²	-	-
ISO Izod Impact	ISO 180	kJ/m ²	-	-
ISO Charpy Impact	ISO 179-1	kJ/m ²	-	-

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